

## ABSTRACT OF THE DISCLOSURE

The invention provides an effective and efficient method of making a hexammine cobaltic salt, such as hexammine cobaltic nitrate, in a consistent fashion through the control of one or more selected parameters of manufacture. Specific parameters considered and evaluated as a part of the invention included: order of  
5 addition of reactants, reaction temperature, oxidation, air or oxidant flow, catalyst content, and amount of ammonia.

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